

March 27, 2026

Docket No.: 99902094

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Subject: Submittal of a Construction Permit Application for the University of Illinois Urbana-Champaign Research Reactor

Pursuant to Title 10 of the Code of Federal Regulations, Part 50, Section 50.30 (10 CFR 50.30), the University of Illinois Urbana-Champaign (U. of I.) hereby submits an application for a construction permit to construct the U. of I. Research Reactor to be located on the U. of I. campus in Urbana, Illinois.

The construction permit application consists of the following information:

- General Information, as required by 10 CFR 50.33
- Preliminary Safety Analysis Report (PSAR), as required by 10 CFR 50.34(a)(1)
- Environmental Report (ER), as required by 10 CFR 50.30(f)

U. of I. meets the definition of a non-profit educational institution stated in 10 CFR 170.3. Because of this, U. of I. is exempt from filing fees in accordance with 10 CFR 170.11(a)(4).

Classified Information Agreement in Accordance with 10 CFR 50.37:

U. of I. will not allow access to Restricted Data or classified National Security Information until the individual and/or the facility has been approved for access under provisions of 10 CFR Part 25, "Access Authorization," and/or 10 CFR Part 95, "Facility Security Clearance and Safeguarding of National Security Information and Restricted Data."

Portions of the PSAR are considered proprietary, and the technology developer, Nano Nuclear Energy Inc., requests it be withheld from public disclosure in accordance with the provisions of 10 CFR 2.390. Enclosure 2 provides the proprietary version of the PSAR and Enclosure 3 provides the nonproprietary version. An affidavit supporting the withholding request is provided in Enclosure 5.

Based on the significant amount of engagement with the U.S. Nuclear Regulatory Commission through White Papers, Topical Reports, public meetings and the PSAR preapplication readiness

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assessment, U. of I. respectfully requests a one-year review of the Construction Permit Application after acceptance.

If you have any questions regarding this submittal, please contact Caleb Brooks, Professor and Donald Biggar Willett Faculty Scholar, at (217) 265-0519 or csbrooks@illinois.edu.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on March 27, 2026.

Sincerely,



Charles L. Isbell, Jr., Chancellor University of Illinois Urbana-Champaign For the Board of Trustees of the University of Illinois



Susan A. Martinis
Senior Vice Chancellor for Research and Innovation
Stephen G. Sligar Professor of Molecular and Cellular Biology
Professor of Biochemistry

cc:

University of Illinois

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J. Yu, J. Walker, F. Heidet, M. Montecalvo, E. Robinson

U.S. Nuclear Regulatory Commission

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Enclosures:

1. General Information
2. Preliminary Safety Analysis Report – Proprietary Version
3. Preliminary Safety Analysis Report – Nonproprietary Version
4. Environmental Report
5. Nano Nuclear Energy Inc. Affidavit and Request for Withholding from Public Disclosure (10 CFR 2.390) – Executed March 31, 2026